

TYPE OR PRINT  
IN BLACK INK  
(For instructions, see  
booklet: "How to File an  
Application to  
Appropriate Water in  
California")



## California Environmental Protection Agency

State Water Resources Control Board  
Division of Water Rights  
P.O. Box 2000, Sacramento, CA 95812-2000  
Tel: (916) 341-5300 Fax: (916) 341-5400  
www.waterrights.ca.gov

STATE WATER RESOURCES  
CONTROL BOARD

2009 JUL 21 PM 3:36

DIV OF WATER RIGHTS  
SACRAMENTO

APPLICATION NO. 31792

# APPLICATION TO APPROPRIATE WATER

## 1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	North Gualala Water Company, Inc.	Alan B. Lilly
		Bartkiewicz, Kronick & Shanahan
Mailing Address	P.O. Box 1000	1011 22nd Street
City, State & Zip	Gualala, CA 95445	Sacramento, CA 95816-4907
Telephone	707-884-3579	916-446-4254
Fax	707-884-1620	916-446-4018
E-mail	waterco@hotmail.com	abl@bkslawfirm.com

## 2. OWNERSHIP INFORMATION (Please check type of ownership.)

- ☐ Sole Owner ☐ Limited Liability Company (LLC) ☐ General Partnership\*  
☐ Limited Partnership\* ☐ Business Trust ☐ Husband/Wife Co-Ownership  
☒ Corporation ☐ Joint Venture ☐ Other \_\_\_\_\_

\*Please identify the names, addresses and phone numbers of all partners.

## 3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.

This application seeks a permit authorizing diversions of water during the times between November 15 and May 31 when diversions are not authorized under term 9 of applicant's water-right Permit 14853 (Application 21883).

Diversions will be made by applicant's existing Production Wells 4 and 5. No new construction will occur for diversions under the permit requested by this application. Water will be used to provide water service to Applicant's customers.

☐ For continuation, see Attachment No. \_\_\_\_

Rec'd  
\$3625.00  
\$850.00 DF  
7/21/09

**4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON**

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
municipal	0.7 cfs	185	Nov. 15	May 31			
Total afa		185	Total afa				

☐ See Attachment No. \_\_\_\_ \* If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

- b. Total combined amount taken by direct diversion and storage during any one year will be  
185 acre-feet.
- c. Reservoir storage is: ☐ onstream ☐ offstream ☐ underground (If underground storage, attach Underground Storage Form.)
- d. County in which diversion is located: Mendocino County in which water will be used:  
Mendocino

**5. SOURCES AND POINTS OF DIVERSION/REDIVERSION**

- a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

☒ POD / ☐ PORD #1 (Production Well 4) North Fork Gualala River tributary to  
Gualala River thence Pacific Ocean

☒ POD / ☐ PORD #2 (Production Well 5) North Fork Gualala River tributary to  
Gualala River thence Pacific Ocean

☐ POD / ☐ PORD # \_\_\_\_\_ tributary to  
\_\_\_\_\_ thence \_\_\_\_\_

☐ POD / ☐ PORD # \_\_\_\_\_ tributary to  
\_\_\_\_\_ thence \_\_\_\_\_

If needed, attach additional pages, check box below and label attachment

☐ See Attachment No. \_\_\_\_

- b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN- SHIP	RANGE	BASE AND MERIDIAN
1	N 2,053,735 E 6,132,248	2	NW ¼ of NE ¼	23	11N	15W	M.D.
2	N 2,053,963 E 6,132,716	2	NW ¼ of NE ¼	23	11N	15W	M.D.
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

☐ See Attachment No. \_\_\_\_

- c. Name of the post office most often used by those living near the proposed point(s) of diversion:  
Gualala, Zip Code 95445

**6. WATER AVAILABILITY**

- a. Have you attached a water availability analysis for this project? ☐ YES ☒ NO

If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.

☒ See Attachment No. 1

- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?

☐ YES ☒ NO

- c. In an average year, does the stream dry up at any point downstream of your project? ☐ YES ☒ NO  
If YES, during which months? ☐ Jan ☐ Feb ☐ Mar ☐ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☐ Oct ☐ Nov ☐ Dec

- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment  
Water diverted under Permits 5431, 5432, 11535 and 14853 (Applications 9372, 9454, 18098 and 21883)

☐ See Attachment No. \_\_\_\_\_

**7. PLACE OF USE**

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:						

\*Please indicate if section is projected with a "(P)" following the section number.

☒ See Attachment No. 2 Please provide the Assessor's Parcel Number(s) for the place of use:

APN's are not required because applicant is a municipal water purveyor.

**8. PROJECT SCHEDULE**

- a. Project is: ☐ proposed. Year construction will begin: \_\_\_\_\_  
☐ partially complete. Extent of completion: Production Wells 4 and 5 have been constructed and are in operation.

☒ complete. Year completed: 1996

- b. Year of first use: \_\_\_\_\_ Year water will be used to the full extent intended: 2029

**9. JUSTIFICATION OF AMOUNTS REQUESTED**

- a. ☐ IRRIGATION: Maximum area to be irrigated in any one year: \_\_\_\_\_ acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)

☐ See Attachment No. \_\_\_\_\_

- b. ☐ DOMESTIC: Number of residences to be served: \_\_\_\_\_ Separately owned?  
☐ YES ☐ NO Number of people to be served: \_\_\_\_\_ Estimated daily use per person is:  
\_\_\_\_\_ gallons per day Area of domestic lawns and gardens: \_\_\_\_\_ square feet  
Incidental domestic uses:

\_\_\_\_\_ (dust control area, number and kind of domestic animals, etc.)

- c. ☐ STOCKWATERING: Kind of stock: \_\_\_\_\_ Maximum number: \_\_\_\_\_  
Describe type of operation: \_\_\_\_\_  
\_\_\_\_\_ (feedlot, dairy, range, etc.)

- d. ☐ RECREATIONAL: Type of recreation: ☐ Fishing ☐ Swimming ☐ Boating ☐ Other \_\_\_\_\_

- e. ☒ MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

☒ See Attachment No. 3

Month of maximum use during year: July  
Month of minimum use during year: March

- f. ☐ HEAT CONTROL: Area to be heat controlled: \_\_\_\_\_ net acres  
Type of crops protected: \_\_\_\_\_  
Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
Heat protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
(month and day) (month and day)
- g. ☐ FROST PROTECTION: Area to be frost protected: \_\_\_\_\_ net acres  
Type of crops protected: \_\_\_\_\_  
Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
The frost protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
(month & day) (month & day)
- h. ☐ INDUSTRIAL: Type of industry: \_\_\_\_\_  
Basis for determination of amount of water needed: \_\_\_\_\_
- i. ☐ MINING: Name of the claim: \_\_\_\_\_ ☐ Patented ☐ Unpatented

Nature of the mine: \_\_\_\_\_ Mineral(s) to be mined: \_\_\_\_\_  
 Type of milling or processing: \_\_\_\_\_  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B. & M.

- j. ☐ POWER: Total head to be utilized: \_\_\_\_\_ feet  
 Maximum flow through the penstock: \_\_\_\_\_ cfs Maximum theoretical horsepower capable of  
 being generated by the works (cfs x fall ÷ 8.8): \_\_\_\_\_  
 Electrical capacity (hp x 0.746 x efficiency): \_\_\_\_\_ kilowatts at: \_\_\_\_\_ % efficiency  
 After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
 in \_\_\_\_\_ ¼ of \_\_\_\_\_ ¼ of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B&M. FERC No.: \_\_\_\_\_
- k. ☐ FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and  
 habitat type that will be preserved or enhanced: \_\_\_\_\_
- l. ☐ OTHER: Describe use: \_\_\_\_\_  
 Basis for determination of amount of water needed: \_\_\_\_\_

## 10. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: \_\_\_\_\_  
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: Production Wells 4 and 5  
 (sump, offset well, channel, reservoir, etc)

Pump discharge rate: 1.0 (total) ☒ cfs or ☐ gpd Horsepower: 20 (each)  
 Pump Efficiency: 60%

- c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Pipe	PVC & AC, buried	6 inches	1,600	140	+	1.0 cfs
Pipe	DIP & PVC, buried	8 inches	4,400	660	+	1.0 cfs

☐ See Attachment No. \_\_\_\_\_

- d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)

☐ See Attachment No. \_\_\_\_\_

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet

☐ See Attachment No. \_\_\_\_

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be \_\_\_\_\_ cfs. Diversion to offstream storage will be made by:

☐ Pumping ☐ Gravity

## 11. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain.

Applicant has a water conservation plan that calls for voluntary conservation when North Fork Gualala

River flows are less than 5 cfs, and mandatory conservation when these river flows are less than 4 cfs.

Applicant also has an ongoing leak detection and repair program, and a tiered rate structure.

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? ☐ Weir ☐ Meter ☐ Periodic sampling ☒ Other (describe)

Stream gage on North Fork Gualala River or Surface Streamflow Measurement Plan under Permit 14853

(Application 21883). All diversions will be metered. All service connections are metered and will continue to be metered.

## 12. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used?

☐ YES ☒ NO

If NO, I ☒ do ☐ do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:

Applicant owns the land on which Production Wells 4 and 5 are located. Applicant owns the lands, or has easements over the lands, on which all of Applicant's water-conveyance pipelines are located. Applicant has rights of access to provide water service to Applicant's customers.

☐ See Attachment No. \_\_\_\_

## 13. EXISTING WATER RIGHTS AND RELATED FILINGS

a. Do you claim an existing right for the use of all or part of the water sought by this application?

☐ YES ☒ NO

If YES, please specify: ☐ Riparian ☐ Pre-1914 ☐ Registration ☐ Permit ☐ License

☐ Percolating groundwater ☐ Adjudicated ☐ Other (specify) \_\_\_\_\_

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.

☐ See Attachment No. \_\_\_\_

- c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.  
Permits 5431, 5432, 11535 and 14853

☐ See Attachment No. \_\_\_\_\_

#### 14. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? ☐ Yes ☒ No If yes, please explain: \_\_\_\_\_

#### 15. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage.

See the instruction booklet for more information.

☒ See Attachment No. 4

### ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

#### 16. COUNTY PERMITS

- a. Contact your county planning or public works department and provide the following information:

Person contacted: John Speka

Date of contact: 7/17/2009

Department: Planning and Building

Telephone: ( 707 ) 463-4281

County Zoning Designation: \_\_\_\_\_

Are any county permits required for your project? ☐ YES ☒ NO If YES, check appropriate box below:

☐ Grading permit ☐ Use permit ☐ Watercourse ☐ Obstruction permit ☐ Change of zoning  
☐ General plan change ☐ Other (explain): \_\_\_\_\_

- b. Have you obtained any of the required permits described above? ☐ YES ☐ NO

If YES, provide a complete copy of each permit obtained.

☐ See Attachment No. \_\_\_\_\_

**17. STATE/FEDERAL PERMITS AND REQUIREMENTS**

- a. Check any additional state or federal permits required for your project:

☐ Federal Energy Regulatory Commission ☐ U.S. Forest Service ☐ U.S. Bureau of Land Management ☐ U.S. Corps of Engineers ☐ U.S. Natural Res. Conservation Service ☐ Calif. Dept. of Fish and Game ☐ State Lands Commission ☐ Calif. Dept. of Water Resources (Div. of Safety of Dams) ☐ Calif. Coastal Commission ☐ State Reclamation Board ☐ Other (specify)

- b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

☐ See Attachment No. \_\_\_\_

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake?
- ☐
- YES
- ☒
- NO

If YES, explain:

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☐ See Attachment No. \_\_\_\_

- d. Have you contacted the California Department of Fish and Game concerning your project?

☐ YES ☒ NO If YES, name, telephone number and date of contact:

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**18. ENVIRONMENTAL DOCUMENT**

- a. Has any California public agency prepared an environmental document for your project?

☐ YES ☒ NO

- b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:

- c. If NO, check the appropriate box and explain below, if necessary:

☐ The applicant is a California public agency and will be preparing the environmental document.\*☐ I expect that the State Water Board will be preparing the environmental document.\*\*☐ I expect that a California public agency other than the State Water Board will be preparing the environmental document.\* Public agency: \_\_\_\_\_☒ See Attachment No. 5

\* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

\*\* Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.



**19. WASTE/WASTEWATER**

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? ☐ YES ☒ NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

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☐ See Attachment No. \_\_\_\_

- b. Will a waste discharge permit be required for your project? ☐ YES ☒ NO

Person contacted: \_\_\_\_\_ Date of contact: \_\_\_\_\_

- c. What method of treatment and disposal will be used? \_\_\_\_\_

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☐ See Attachment No. \_\_\_\_

**20. ARCHEOLOGY**

- a. Have any archeological reports been prepared on this project? ☐ YES ☒ NO
- b. Will you be preparing an archeological report to satisfy another public agency? ☐ YES ☒ NO
- c. Do you know of any archeological or historic sites located within the general project area?

☐ YES ☒ NO If YES, explain:

Not applicable; no construction will occur

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☐ See Attachment No. \_\_\_\_

**21. ENVIRONMENTAL SETTING**

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:

- ☒ Along the stream channel immediately downstream from the proposed point(s) of diversion.
- ☒ Along the stream channel immediately upstream from the proposed point(s) of diversion.
- ☒ At the place(s) where the water is to be used.
- ☒ See Attachment No. 6

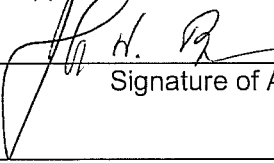
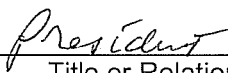
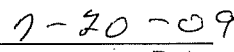
**SUBMITTAL FEES**

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website ([www.waterrights.ca.gov](http://www.waterrights.ca.gov)).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

## DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

 _____ Signature of Applicant	 _____ Title or Relationship	 _____ Date
_____ Signature of Co-Applicant (if any)	_____ Title or Relationship	_____ Date

Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.

### "APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- ☐ Answer each question completely.
- ☐ Number, label and include all necessary attachments.
- ☐ Include a legible map that meets the requirements discussed in the instruction booklet.
- ☐ Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.
- ☐ Include two complete sets of color photographs of the project site.
- ☐ Enclose a check for the required fee, payable to the Division of Water Rights.
- ☐ Enclose an \$850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.
- ☐ Sign and date the application.

Send the original and one copy of the entire application to:

State Water Resources Control Board  
 Division of Water Rights  
 P.O. Box 2000  
 Sacramento, CA 95812-2000

# Wagner & Bonsignore

Consulting Civil Engineers, A Corporation

Nicholas F. Bonsignore, P.E.  
Robert C. Wagner, P.E.  
Paula J. Whealen

Andrew T. Bambauer, P.E.  
John Faux, P.E.  
David M. Houston, P.E.  
Ryan E. Stolfus

## MEMORANDUM

**To:** State Water Resources Control Board, Division of Water Rights

**From:** Nicholas F. Bonsignore, P.E. *W3*

**Date:** July 21, 2009

**Re:** New Water Right Application by North Gualala Water Company,  
Estimate of Water Availability

2009 JUL 21 PM 3:44  
DIV OF WATER RIGHTS  
DOCUMENTS

California Water Code Section 1260(k) requires that every application for a permit to appropriate water shall include "sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation." This narrative and accompanying calculations provide the required information.

The subject Application is within the watershed of the North Fork Gualala River, tributary to the Gualala River thence Pacific Ocean (see attached Plate I). According to State Water Resources Control Board Order WR 98-08, there is no fully appropriated limitation on the subject watershed. The Application proposes a diversion season of November 15 to May 31, which conforms to Order WR 98-08.

The attached Plate I shows: the locations of Points of Diversion 1 and 2 (Wells 4 and 5, respectively); the North Fork Gualala River watershed reckoned at a point on the River near the Points of Diversion; and isohyets of mean annual precipitation per the map entitled *Mean Annual Precipitation in the California Region* (S.E. Rantz, 1972). Plate I also shows the watershed of the Garcia River, reckoned at the site of USGS Gaging Station #11467600 Garcia River Near Point Arena, CA (Garcia River gage), which adjoins the North Fork Gualala River watershed to the north. The period of record for the Garcia River gage is August 1962 to September 1983. The attached Table 1 summarizes gaged monthly mean flow for the period of record. The watershed area above the gage is about 98.5 square miles per the USGS. Table 1 also shows the mean monthly unit discharge in units of cfs per square mile for the period of record.

Given the close proximity of the North Fork Gualala River watershed and the Garcia River watershed, and the similar mean annual precipitation pattern between the two watersheds, it is reasonable to conclude that unit runoff for the North Fork Gualala River is similar to that for the

Garcia River. The watershed area of the North Fork Gualala River above the Points of Diversion is about 39.7 square miles. Table 2 shows the calculation of estimated mean monthly discharge at the Points of Diversion computed by multiplying the Garcia River unit discharge by the watershed area for the Points of Diversion. As shown, the estimated average discharge for the North Fork Gualala River for the proposed season of diversion (November 15 through May 31) ranges from 38 to 457 cfs, which is about 50 to 650 times the proposed maximum rate of diversion of 0.7 cfs sought by this Application.

Also, the State Water Board's eWRIMS database indicates that there are no other diverters of record within the entire North Fork Gualala River watershed upstream of the Points of Diversion, except for North Gualala Water Company's existing Permit 14853 (Application 21883), which allows for the year-round direct diversion of up to 2 cfs from Wells 4 and 5, subject to certain bypass requirements. As stated in this Application, diversions will not be made under this Application when diversions are authorized under the NGWC's Permit 14853. It is further noted that eWRIMS indicates that there are no diverters of record on the North Fork Gualala River downstream of the proposed Points of Diversion and no diverters of record on the main stem of the Gualala River to the Pacific Ocean.

Based on all of the forgoing there is a reasonable likelihood that water is physically available for the diversion proposed by this Application.

NGWCB071.doc

TABLE 1

## USGS #11467600 GARCIA R NR POINT ARENA CA

Mendocino County, California

Hydrologic Unit Code 18010108

Latitude 38°55'35" , Longitude 123°37'45" NAD27

Drainage area = 98.5 square miles

Gage datum 55.31 feet above sea level NGVD29

YEAR	00060, Discharge, cubic feet per second, Monthly mean in cfs (Calculation Period: 1962-08-01 -> 1983-09-30)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1962								18.5	15.1	246.1	118.5	487.6
1963	603.1	798.8	473.2	1,125	214.8	75.2	39.1	21.8	18.1	55.1	617	138
1964	682.2	145.1	120.6	62.6	42.4	29.5	20.1	14.2	12	39.6	396.8	2,240
1965	1,319	221.3	114.5	634.4	121.2	57.4	30.1	21	15.2	13.6	352.1	432.4
1966	1,429	689.7	409	154.9	62.4	35.6	23.4	16.9	14.1	13.1	547.8	996.6
1967	1,494	411.7	847.2	691.2	165.5	77.3	32.2	20.2	14.6	20.6	61.6	253.3
1968	765.2	669.2	454.1	118.5	54.4	30	19.9	20.9	15.4	17.6	52.4	1,112
1969	2,342	1,596	428.4	173.4	73.5	40.9	22.5	15.7	11.8	20.2	29.7	1,067
1970	3,073	535.1	248.1	76.6	46.3	24.5	16.2	15.4	14.3	19.8	282.9	1,456
1971	957.7	127	710.9	241.7	85.5	40.2	22.2	14.2	10.4	10.7	41.8	291.2
1972	250.5	275.7	296.1	194.3	56.2	28.5	17.1	10.9	11.4	19.9	175.2	532
1973	1,779	971.7	482	157.4	54.4	31.8	19.2	13.4	13.7	64.5	1,880	1,150
1974	2,079	581.5	1,734	842	84.7	45.1	32.6	19.9	14.1	14.5	28	252.6
1975	328.2	1,947	1,230	228.2	85.9	39.2	24.6	15.4	11.9	33.6	51.4	131.7
1976	45.5	186.7	219.6	232.8	51	29.3	17.4	18.5	12.2	10.8	17.5	14
1977	31.8	33.2	52	19.7	18.2	10.4	5.91	4.59	26.3	17.6	183.9	636.8
1978	2,030	1,403	966.2	419.3	119.1	49.6	29	17.6	24.1	12.4	16.8	19.4
1979	348.5	962.8	405.6	154.1	157.4	47.6	26.7	16	12.6	58.5	345	389.9
1980	1,302	991.1	360.7	202.1	74	41.4	23.2	15.2	10.9	14.5	15.3	189.4
1981	888.7	363.7	302.2	115.4	49.3	22	13.4	10.2	9.8	81.6	1,160	1,786
1982	834.6	973.2	860.7	713.6	120	52.7	28.4	17.2	14	41.9	456.5	1,593
1983	1,230	1,619	2,146	622.4	226	69.8	41.4	29.3	23.7			
Average	1,134	738	612	342	93	42	24	17	15	39	325	722
Avg. Unit Discharge (cfs/sq. mi.)	11.5	7.5	6.2	3.5	0.9	0.4	0.2	0.2	0.2	0.4	3.3	7.3

**TABLE 2**  
**Estimated Monthly Mean Flow for North Fork Gualala River reckoned at Points of Diversion**

Drainage area of North Fork Gualala River near NGWC's Wells 4 and 5 = 39.7 square miles

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Garcia River average unit discharge (cfs/sq. mi.)	11.5	7.5	6.2	3.5	0.9	0.4	0.2	0.2	0.2	0.4	3.3	7.3
Estimated average flow of North Fork Gualala River at Points of Diversion (cfs)	457	298	247	138	38	17	10	7	6	16	131	291

## **ATTACHMENT NO. 2**

### **Item 7a. PLACE OF USE**

The proposed place of use is shown on the map accompanying this Application and described as follows:

Within the service area of the North Gualala Water Company within Sections 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 17, 18, 20, 21, 22, 23, 26, 27, 28 and 34, T11N, R15W, MDB&M, and Sections 12 and 13, T11N, R16W, MDB&M, as shown on map on file with State Water Resources Control Board.

## Item 9e MUNICIPAL USE PROJECTIONS

Projected Annual Use:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average Daily Use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
2009	3,652	87	0.49	54	0.06	219
2014	4,254	87	0.57	54	0.06	255
2019	4,955	87	0.66	54	0.06	297
2024	5,773	87	0.77	54	0.06	346
2029	6,724	87	0.90	54	0.06	403

Projected Seasonal Use (November 15 to May 31):

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		SEASONAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average Daily Use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
2009	3,652	68	0.38	25	0.03	101
2014	4,254	68	0.45	25	0.03	117
2019	4,955	68	0.52	25	0.03	136
2024	5,773	68	0.60	25	0.03	159
2029	6,724	68	0.70	25	0.03	185



## **Attachment No. 4 - Map**

**Attachment No. 5:**

The applicant expects that either the State Water Resources Control Board or the State Department of Public Health, Office of Drinking Water will be the CEQA lead agency for this application.